

Bench Top Ultrasonic Spray Coater
Model: SNR300

Standard Features

- Bench Top ultrasonic precision spray coater is mainly used for research and development. Ultrasonic spray coating technology can produce highly uniform nano-scale thin film coatings for a variety of applications.
- Sonaer's ultrasonic spray nozzle, with a variety of frequencies and plume shaping attachments to suit the applications.
- High efficiency spray, the material usage ratio > 95%., Uniformity: < 5%.
- Maximum spray area coverage: 300mm×300mm
- Precision Syringe Pump Liquid Dosing/Dispensing
- Full digital ultrasonic generator: Sonaer's multi-DSPs closed loop control technology provides highly stable operation, with Auto Atomization Power Adjustment (AAPA), with real time operating frequency and VMD display.
- XYZ servo robot motion system [400mm(X) x 400mm(Y) x 100mm(Z)]
- Self-cleaning ultrasonic nozzle prevents clogging.
- All system components are compatible with the typical solvents such as; THF, acetone, DMAC, toluene, chloroform, and polymers such as; urethanes, polycarbonates, silicones, styrene.
- Gas Tight Enclosure with Exhaust system interface: ready for connecting to exhaust system of workshop or lab.
- Integrated control of the nozzle, liquid delivery, and motion system by full color touch panel with user friendly interface.
- Full color HMI
- Dimensions (cm): 85 W x 60 D x 72 H, Weight: 100Kg
- Power input: 220VAC 50/60Hz



Optional Features

- Dual nozzle configuration for layering of different chemistries and ease of setup for multiple spray applications.
- Continuous Flow Syringe Pump provides continuous liquid delivery for extended operation
- Ultrasonic Dispersion Syringe: Disperse the suspensions delivery to prevent agglomerating and depositing.
- Sonicated Reservoir with recirculation as an alternative to Ultrasonic Dispersion Syringe
- Customized substrate platform, Heated (Max 250°C), Vacuum.